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Search Another: Application#

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Date	Status	Code	Description
06/10/2003		NINA	MAIL NOTICE OF INFORMAL OR NON-RESPONSIVE AMENDM
05/19/2003		EXIN	EXAMINER INTERVIEW SUMMARY RECORD (PTOL - 413)
03/20/2003		M844	INFORMATION DISCLOSURE STATEMENT (IDS) FILED
04/01/2003		FWDX	DATE FORWARDED TO EXAMINER
03/20/2003	71	RCEX	REQUEST FOR CONTINUED EXAMINATION (RCE)
04/01/2003		ABN9	EXPRESS ABANDONMENT (FOR ENTRY OF CPA / RCE / RULE
03/20/2003		XT/G	REQUEST FOR EXTENSION OF TIME - GRANTED
03/20/2003		BRCE	WORKFLOW - REQUEST FOR RCE - BEGIN
11/14/2002	61	MCTFR	MAIL FINAL REJECTION (PTOL - 326)
11/13/2002	60	CTFR	FINAL REJECTION
09/16/2002		FWDX	DATE FORWARDED TO EXAMINER
09/03/2002	41	A.I.	INFORMAL OR NON-RESPONSIVE AMENDMENT AFTER EXAM ACTION
09/03/2002	71	A...	RESPONSE AFTER NON-FINAL ACTION
09/03/2002		XT/G	REQUEST FOR EXTENSION OF TIME - GRANTED
04/24/2002	41	MCTNF	MAIL NON-FINAL REJECTION
04/23/2002		DOCK	CASE DOCKETED TO EXAMINER IN GAU
04/22/2002	40	CTNF	NON-FINAL REJECTION
02/27/2002		DOCK	CASE DOCKETED TO EXAMINER IN GAU
12/11/2001		C:AD	CORRESPONDENCE ADDRESS CHANGE
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10/05/2001		PTDE	PETITION DECISION - DENIED
09/24/2001		PET.	PETITION ENTERED
08/27/2001		M844	INFORMATION DISCLOSURE STATEMENT (IDS) FILED
03/21/2001		M844	INFORMATION DISCLOSURE STATEMENT (IDS) FILED
10/06/2000		DOCK	CASE DOCKETED TO EXAMINER IN GAU
02/17/2000	30	DOCK	CASE DOCKETED TO EXAMINER IN GAU

02/17/2000	30	DOCK	CASE DOCKETED TO EXAMINER IN GAO
08/16/1999	20	OIPE	APPLICATION DISPATCHED FROM OIPE
08/05/1999		SCAN	APPLICATION SCANNED
07/21/1999	19	IEXX	INITIAL EXAM TEAM NN

[Appln Info](#) [Contents](#) [Petition Info](#) [Atty/Agent Info](#) [Continuity Data](#) [Foreign Data](#) [|](#)

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

L2: Entry 1 of 2

File: USPT

Mar 14, 2000

US-PAT-NO: 6038379

DOCUMENT-IDENTIFIER: US 6038379 A

TITLE: Data backup and restore system for a computer network having generic remote file system agents for providing backup and restore operations

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fletcher; Douglas J.	Longwood	FL		
DeVos; Steven Robert	Kirkland	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Seagate Technology, Inc.	Scotts Valley	CA			02

APPL-NO: 08/ 541954 [PALM]

DATE FILED: October 11, 1995

PARENT-CASE:

This application is a continuation of application Ser. No. 08/150,488, filed on Nov. 9, 1993, now abandoned.

INT-CL: [07] G06 F 13/00

US-CL-ISSUED: 395/200.6; 395/200.57, 395/200.79, 395/200.3, 395/610
 US-CL-CURRENT: 709/230; 707/10, 709/200, 709/227, 709/249

FIELD-OF-SEARCH: 395/326, 395/610, 395/617, 395/200.6, 395/200.3, 395/200.57,
 395/200.79

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4714995</u>	December 1987	Materna et al.	364/200
<input type="checkbox"/> <u>5005122</u>	April 1991	Griffin et al.	364/200
<input type="checkbox"/> <u>5133065</u>	July 1992	Cheffetz et al.	395/575
<input type="checkbox"/> <u>5187787</u>	February 1993	Skeen et al.	395/600
<input type="checkbox"/> <u>5291585</u>	March 1994	Sato et al.	395/500
<input type="checkbox"/> <u>5301270</u>	April 1994	Steinberg et al.	395/326
<input type="checkbox"/> <u>5339437</u>	August 1994	Yuen	395/700
<input type="checkbox"/> <u>5485606</u>	January 1996	Midgdey et al.	395/610
<input type="checkbox"/> <u>5544229</u>	August 1996	Creswell et al.	379/67

OTHER PUBLICATIONS

IBM Technical Disclosure Bulletin, "Centralized and Rapid Backup/Restore For Work

Record Display Form http://westibrs:8002/bin/gate.exe?f=doc&.._2=&p_doc_3=&p_doc_4=&p_doc_5=&p_doc_6=
LAN File Services/VM", vol. 35, Aug. 1992, New York, US, pp.-286-289.
Rew and Davis, "Net CDF: An Interface for Scientific Data Access", PUB Jul. 1990,
IEEE Com Graphics and Appl. Mag vol. 10-4.
R.K. Rew, NetCDF User's Guide Version 1.05, Unidata Program Center, Boulder, Col.,
Jan. 1990 Pub.

ART-UNIT: 272

PRIMARY-EXAMINER: Lee; Thomas C.

ASSISTANT-EXAMINER: Huang; Po C.

ATTY-AGENT-FIRM: Flehr Hohbach Test Albritton & Herbert LLP

ABSTRACT:

A computer network having a number of workstations running disparate operating systems and a file server having a tape drive for backup and restore of data on the network. The file server runs a generic remote file system (GRFS) and workstations run GRFS agent programs which allow the GRFS file system to access data within a workstation having a given GRFS agent program. The GRFS file system interfaces with each GRFS agent program via a command/response paradigm, with the messages being structured to support the disparate operating systems for backup and restore, to allow data to be interchanged between the disparate operating systems, and to allow independent multiple users of the network to request simultaneously backup or restore.

24 Claims, 5 Drawing figures

L3: Entry 3 of 4

File: USPT

Dec 11, 2001

US-PAT-NO: 6330570
 DOCUMENT-IDENTIFIER: US 6330570 B1

TITLE: Data backup system

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crighton; Ian Peter	Bristol			GB

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hewlett-Packard Company	Palo Alto	CA			02

APPL-NO: 09/ 259129 [PALM]
 DATE FILED: February 26, 1999

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
EP	98301498	March 2, 1998

INT-CL: [07] G06 F 17/30, G06 F 12/00

US-CL-ISSUED: 707/204
 US-CL-CURRENT: 707/204

FIELD-OF-SEARCH: 707/204, 714/100, 711/100

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4634110</u>	January 1987	Julich et al.	371/11
<input type="checkbox"/> <u>5212772</u>	May 1993	Masters	395/200
<input type="checkbox"/> <u>5680617</u>	October 1997	Gough et al.	395/615
<input type="checkbox"/> <u>5758067</u>	May 1998	Makinen et al.	395/185.07
<input type="checkbox"/> <u>5875478</u>	February 1999	Blumemau	711/162
<input type="checkbox"/> <u>6038379</u>	March 2000	Fletcher et al.	395/200.6
<input type="checkbox"/> <u>6058494</u>	May 2000	Gold et al.	714/42
<input type="checkbox"/> <u>6263454</u>	July 2001	Gold et al.	714/25

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2274180A	December 1992	GB	13/10

Central Point PC Tools, Central Point Software, Inc., part 1, p. 30, 32, 40.*
European Search Report, EP 98 30 1498, Jul. 30, 1998.
Fujitsu Scientific & Technical Journal, Spec. Issue, Jun., No. 1, K. Suzuki et al.,
"Storage Management Software for Mainframe and UNIX".
IBM Technical Disclosure Bulletin, vol. 35, No. 2, Jul. 1992, "Automatic Backup of
User Data".

ART-UNIT: 217

PRIMARY-EXAMINER: Breene; John

ASSISTANT-EXAMINER: Rayyan; Susan

ABSTRACT:

A backup system includes backup application software operating on a host computer, which is configurable to store data to be backed up to a backup apparatus. The system is configurable to schedule and enact a pre-backup check, prior to running the actual scheduled backup job so that any faults which have developed since the initial configuration can be remedied. The pre-backup check preferably occurs on a daily basis prior to every scheduled backup job.

15 Claims, 6 Drawing figures

WEST**Search Results - Record(s) 1 through 4 of 4 returned.** 1. Document ID: US 6493769 B1

L3: Entry 1 of 4

File: USPT

Dec 10, 2002

US-PAT-NO: 6493769

DOCUMENT-IDENTIFIER: US 6493769 B1

TITLE: Stream information processing and method and providing medium

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kawamura; Harumi	Tokyo			JP
Endo; Atsushi	Tokyo			JP

US-CL-CURRENT: 710/3; 710/14, 710/33, 710/34, 710/35, 710/8 2. Document ID: US 6438606 B1

L3: Entry 2 of 4

File: USPT

Aug 20, 2002

US-PAT-NO: 6438606

DOCUMENT-IDENTIFIER: US 6438606 B1

TITLE: Router image support device

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ward; Paul	Cupertino	CA		

US-CL-CURRENT: 709/238; 707/10 3. Document ID: US 6330570 B1

L3: Entry 3 of 4

File: USPT

Dec 11, 2001

US-PAT-NO: 6330570

DOCUMENT-IDENTIFIER: US 6330570 B1

TITLE: Data backup system

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crighton; Ian Peter	Bristol			GB

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM&C	Draw. Desc	Image
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 4. Document ID: US 6314502 B1

L3: Entry 4 of 4

File: USPT

Nov 6, 2001

US-PAT-NO: 6314502

DOCUMENT-IDENTIFIER: US 6314502 B1

TITLE: Method and apparatus for opportunistic queue processing

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piersol, Kurt	Santa Cruz	CA		

US-CL-CURRENT: 711/162; 709/203, 710/39, 710/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM&C	Draw. Desc	Image
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Terms	Documents
6038379.uref.	4

Display Format: [Previous Page](#) [Next Page](#)

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6038379.uref.	4

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<u>L3</u>	6038379.uref.	4	<u>L3</u>
<u>L2</u>	6038379.pn.	2	<u>L2</u>
<u>L1</u>	5070250.pn.	2	<u>L1</u>

END OF SEARCH HISTORY